

Shricharan Senthilkumar

✉ 125013036@sastra.ac.in ☎ +91-9445688266 📍 Chennai, Tamil Nadu, India in Shricharan S

🖱 <https://shricharan37.github.io/>

🎓 Education

Bachelor of Technology in Bioinformatics

2021 – present

SASTRA Deemed University, Thanjavur ✉

CGPA as of 5th semester - 8.8291

Higher Secondary Education

2006 – 2021

D.A.V. Public School, Velachery ✉

Secured 91.6% in 12th grade

📁 Professional Experience

University of Madras, Chennai

Jun 2023 – Jul 2023

Project Intern

- Skill based internship on recombinant protein expression and purification of drug discovery and vaccine development

🧠 Skills

Programming Languages

Python, C++, C, Perl, R

Web Development

HTML, CSS, Javascript, PHP

Data Science

Google Colab, Jupyter Notebook

Operating Systems

Windows, Linux

Other Skills

Graphic Design, UI/UX Design, Video editing

Applications and Softwares

Microsoft Office (Office, Excel, Powerpoint), Adobe Photoshop, Adobe Premiere Pro, Adobe Illustrator, DaVinci Resolve, Figma

📖 Research Publications

Senthilkumar S, Mahesh S, Subachandran J K Yennamalli RM (2023) Surface exposed and charged residues drive thermostability in Fungi PROTEINS: Structure, Function, and Bioinformatics In Press for the special issue **“Macromolecular Form and Function in the GN Ramachandran Centenary Year”**

Certifications

Supervised Machine Learning: Regression and Classification

Coursera

Google Cloud Skills Boost

Google

Fundamentals of Artificial Intelligence

NPTEL

Biology Meets Programming: Bioinformatics for Beginners

Coursera

Projects

Machine learning - based model generation to functionally annotate lytic polysaccharide monooxygenases (Ongoing)

Working on a machine learning model that does functional annotation from structural data of proteins.

Studentverse Wrapped '23

Designed the UI for **Studentverse Wrapped '23** - A captivating wrapped series that is featured on the official app of SASTRA University.

Super Admin App

Designed the UI for **Super Admin App** - An app that is used for the creation and approval of events.

Club Activities

Developer Community SASTRA | Design Cluster Lead

Apr 2023 – present

UI/UX designer, Graphic designer, Video editor

- Conducting talks, technical events and workshops
- Reviewing and approving design concepts and content

Google Developer Student Clubs | Design Cluster Lead

Apr 2023 – present

UI/UX Designer, Graphic designer, Video editor

- Contributing to community projects
- Allocating tasks and responsibilities to team members

300DPI | Core team member

Feb 2023 – present

Graphic Designer

- Responsible for digital promotions (Posters and Videos) of various cultural and non-cultural teams